

FIG. 1

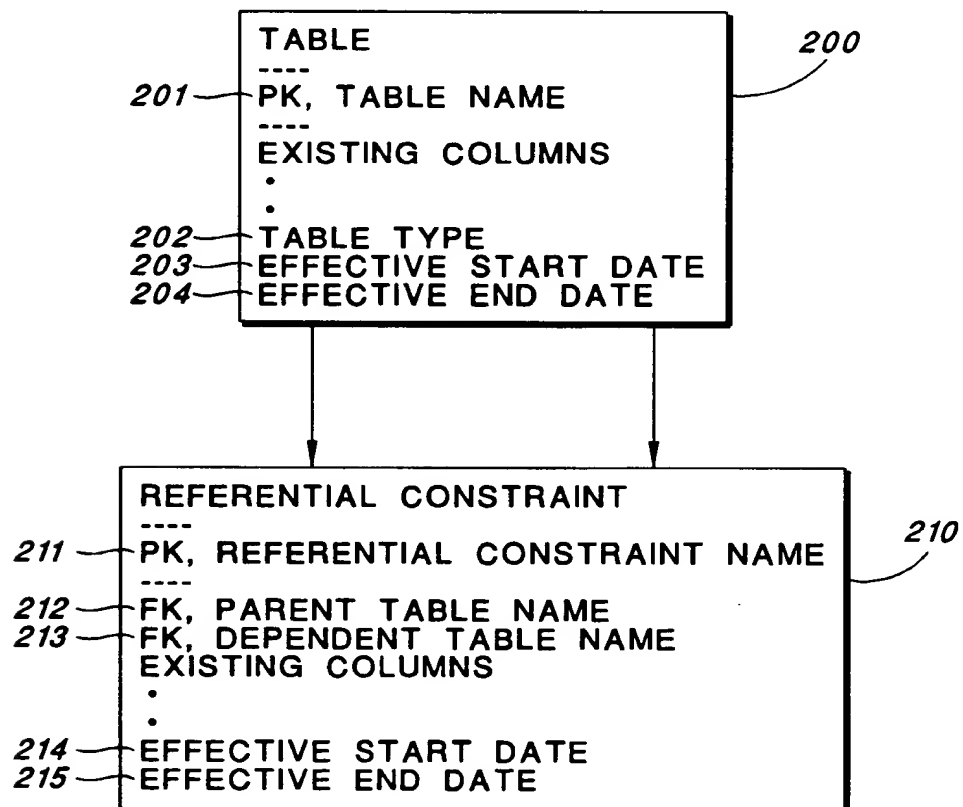


FIG. 3

DBMS CATALOG DATABASE

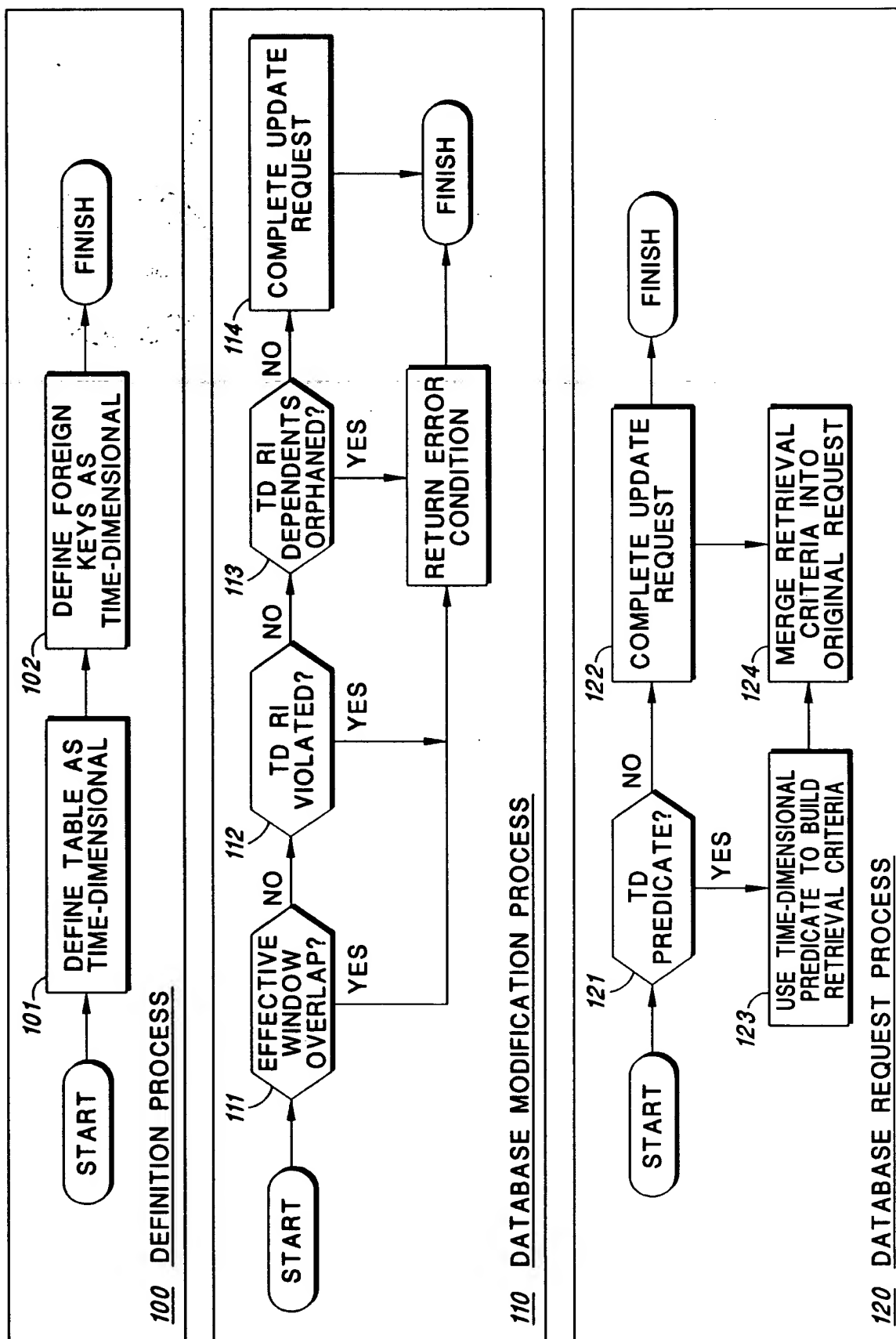


FIG. 2 VERSION DIFFERENTIATION PROCESS OVERVIEW

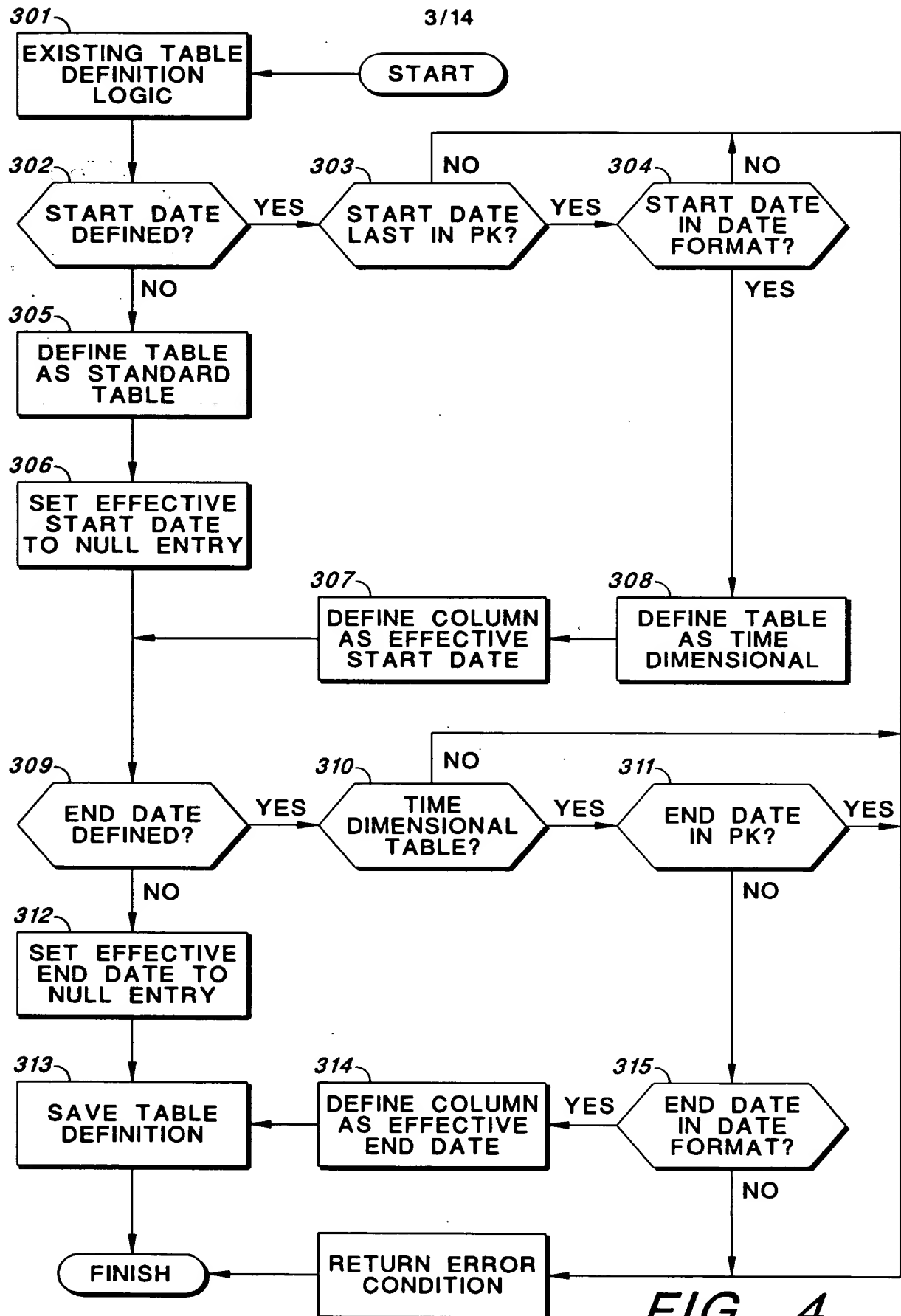


TABLE DEFINITION PROCESS

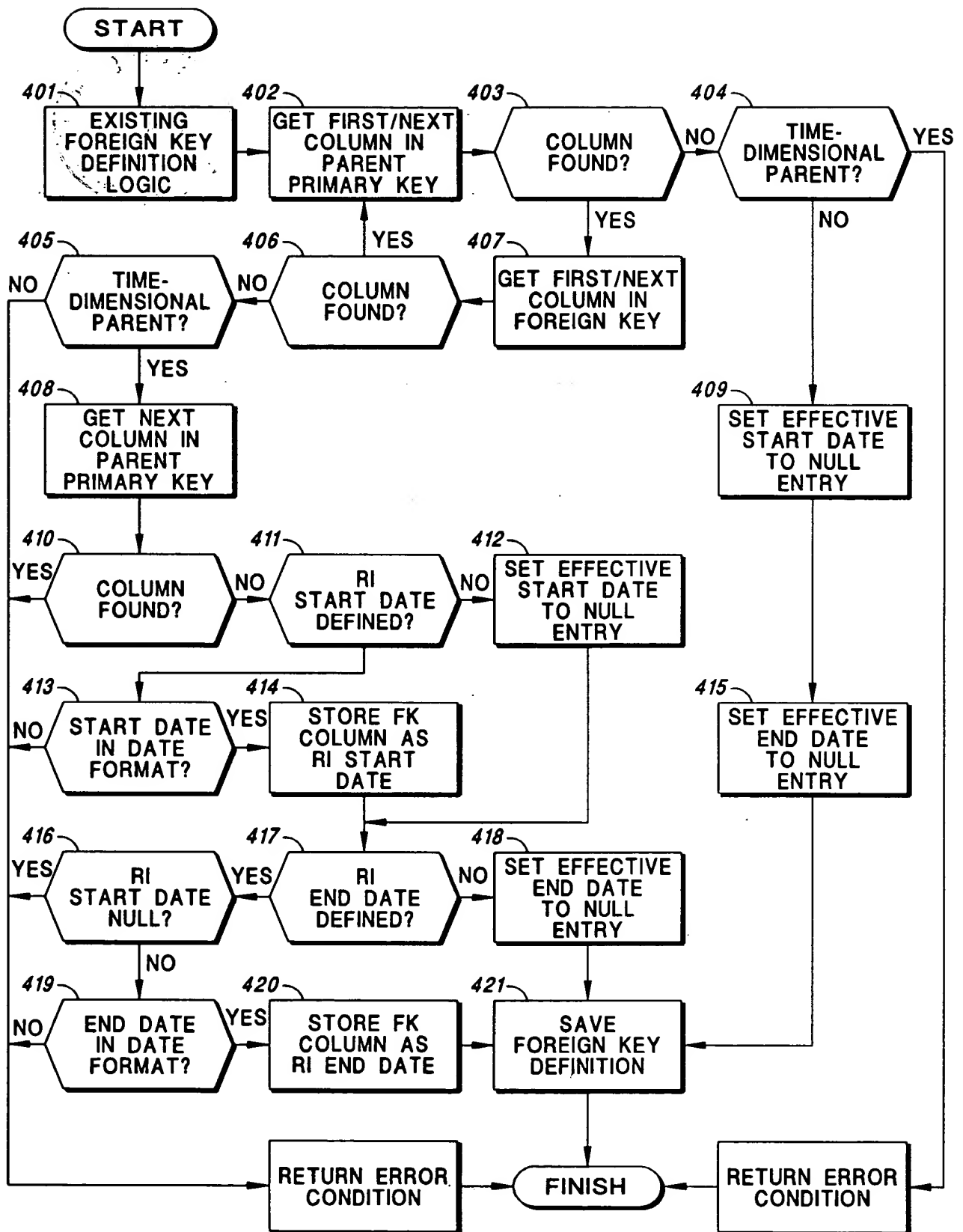


FIG. 5

FOREIGN KEY DEFINITION PROCESS

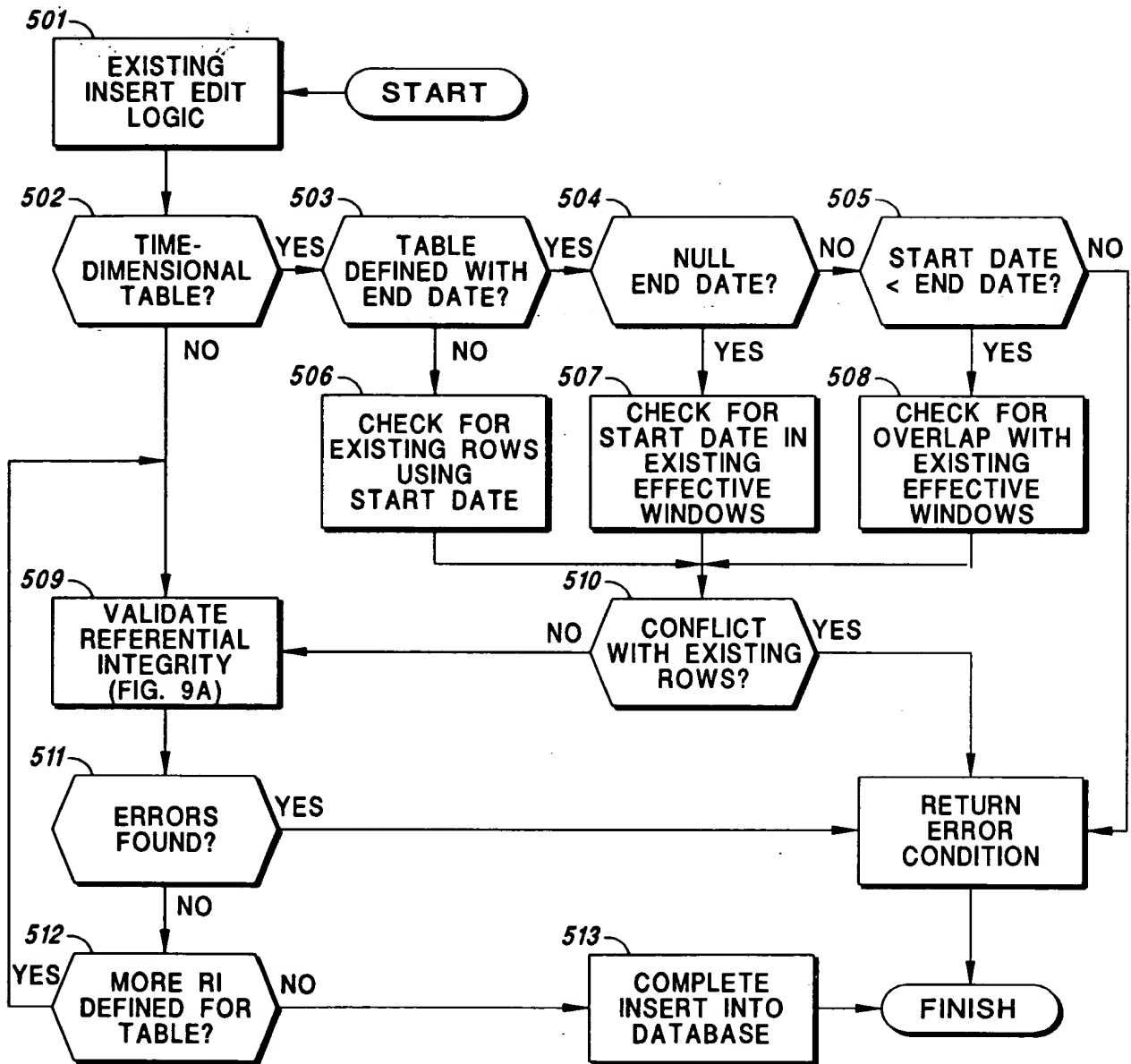


FIG. 6 INSERT PROCESS

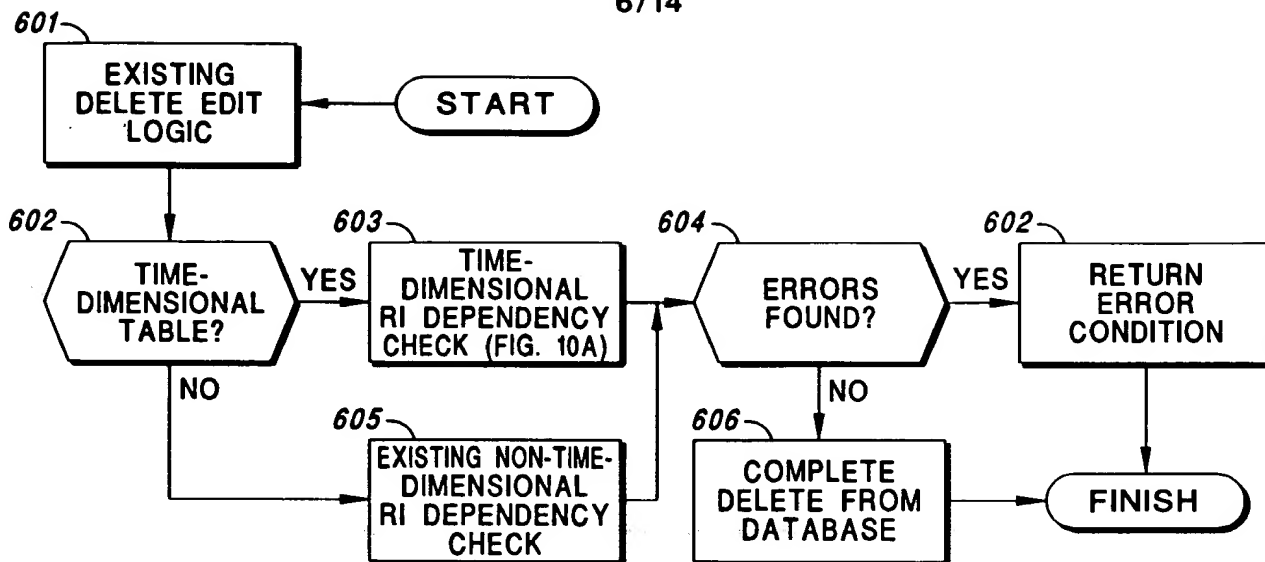


FIG. 7 DELETE PROCESS

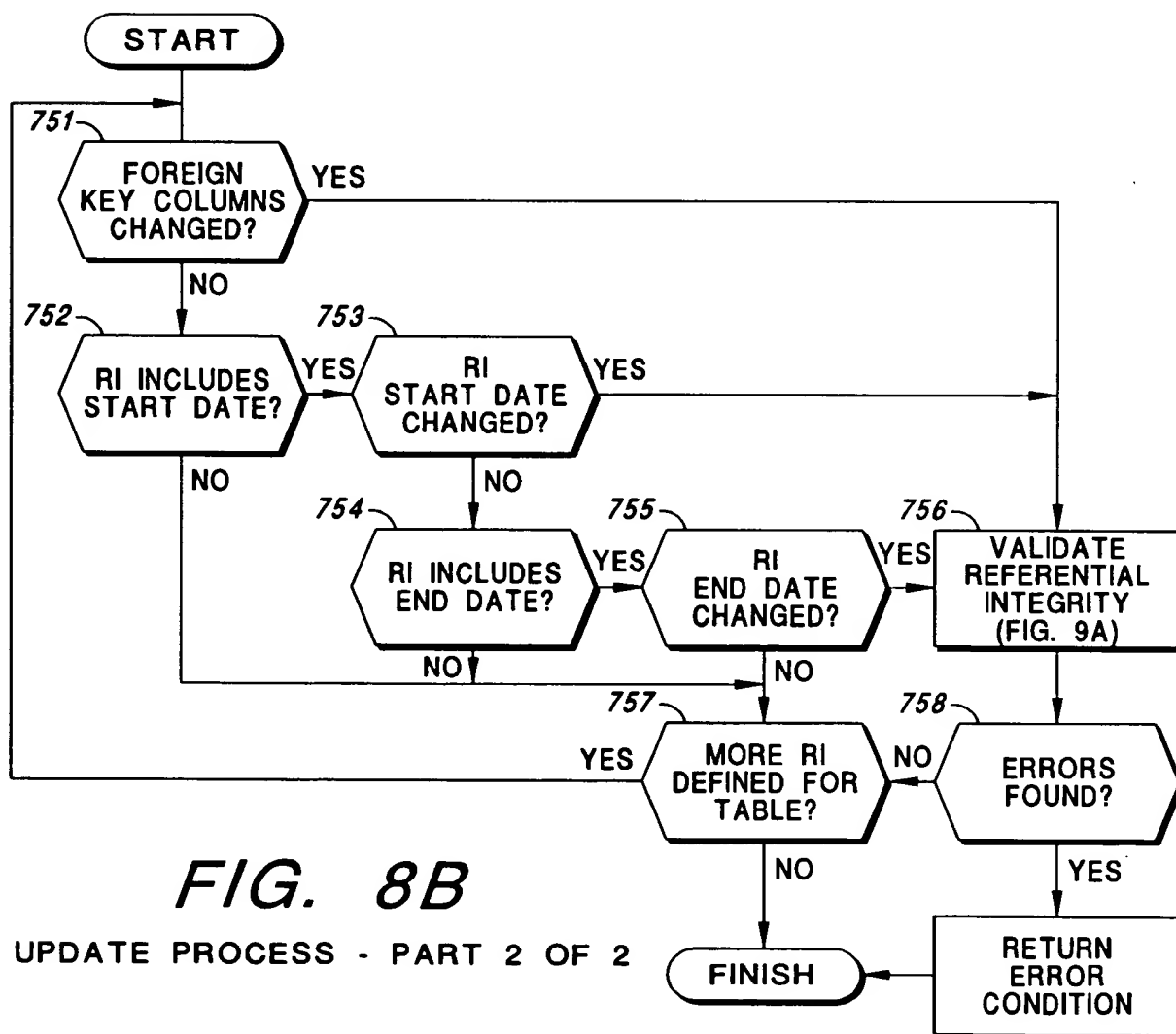


FIG. 8B

UPDATE PROCESS - PART 2 OF 2

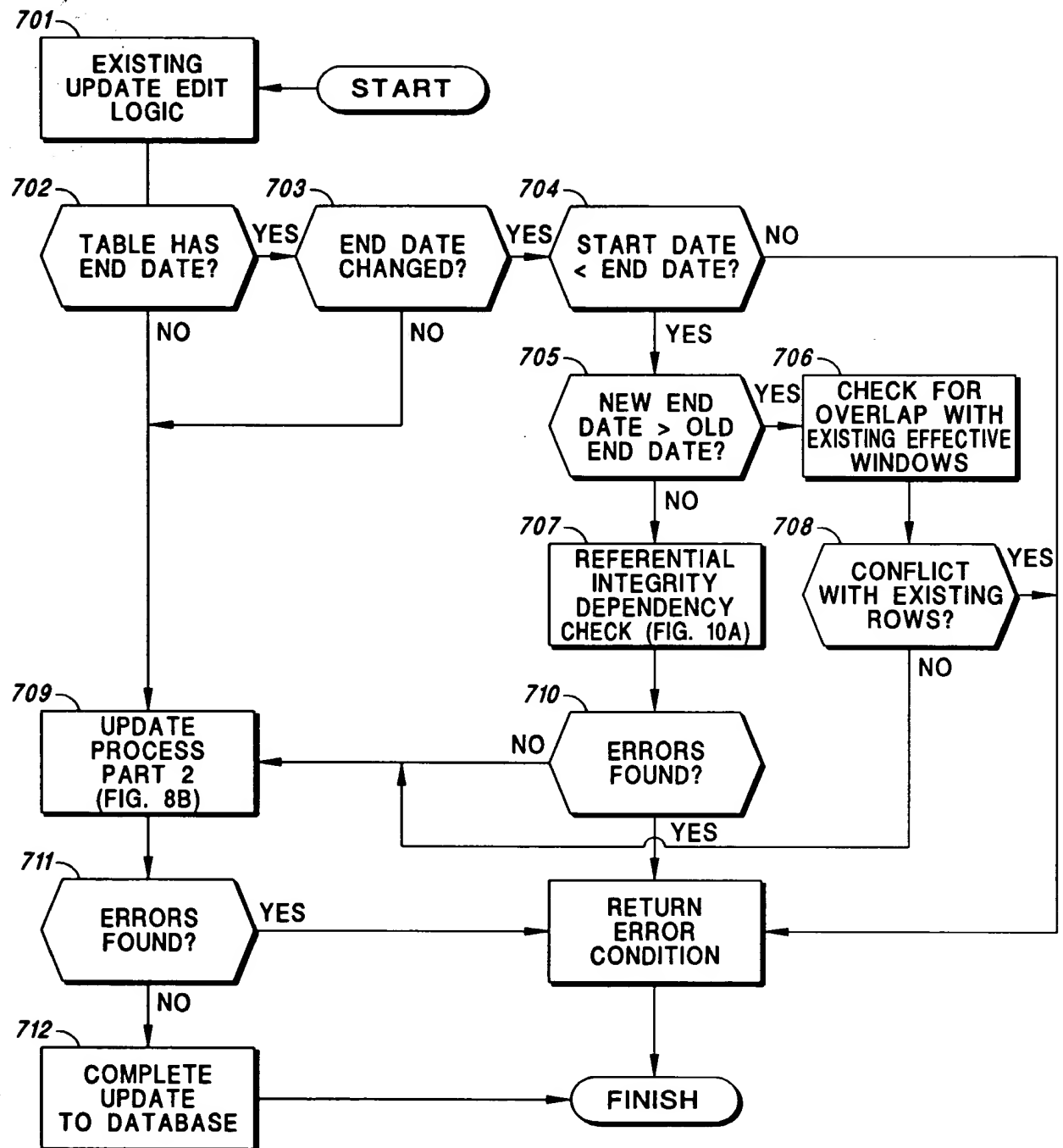
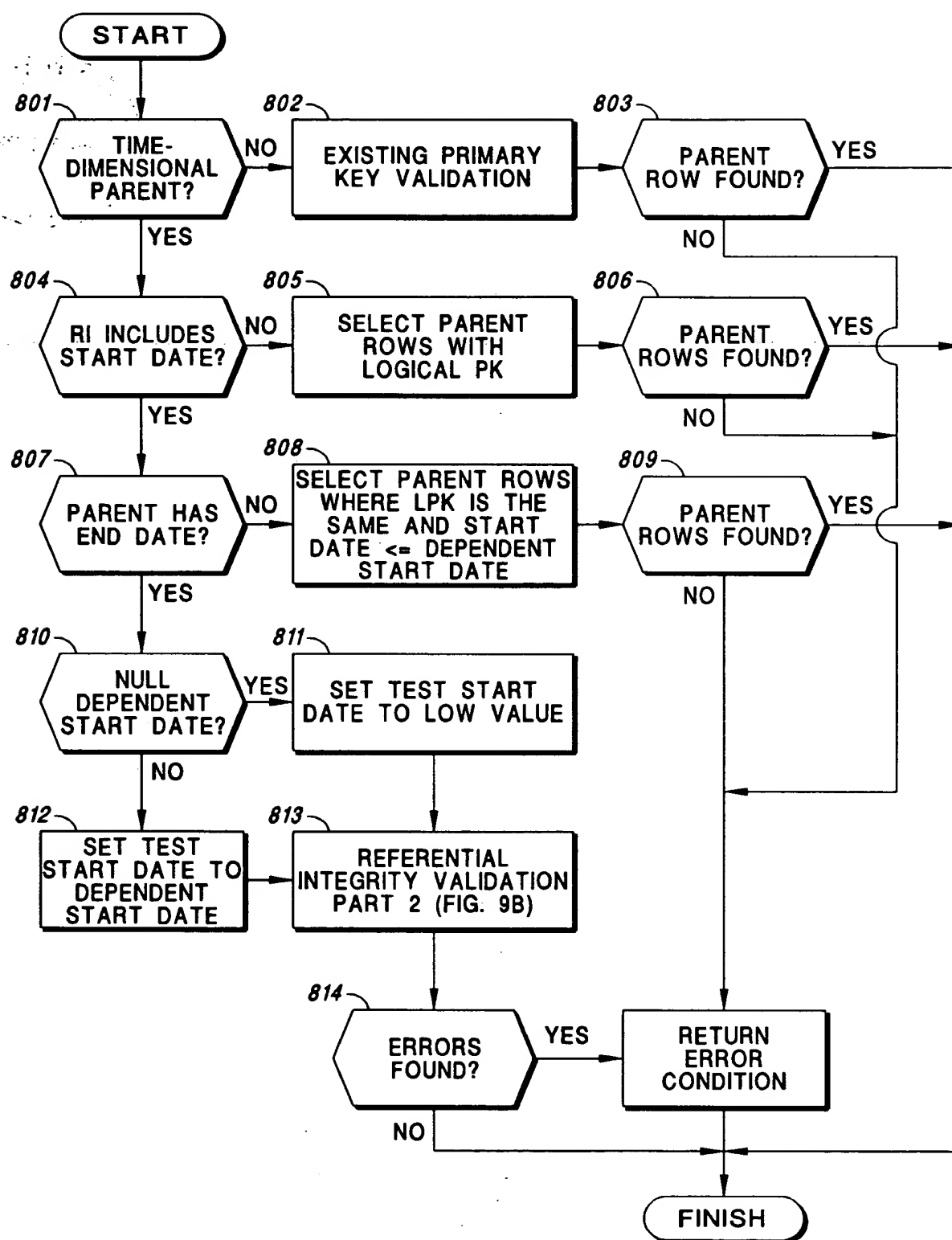


FIG. 8A UPDATE PROCESS - PART 1 OF 2

**FIG. 9A**REFERENTIAL INTEGRITY VALIDATION PROCESS
PART 1 OF 3

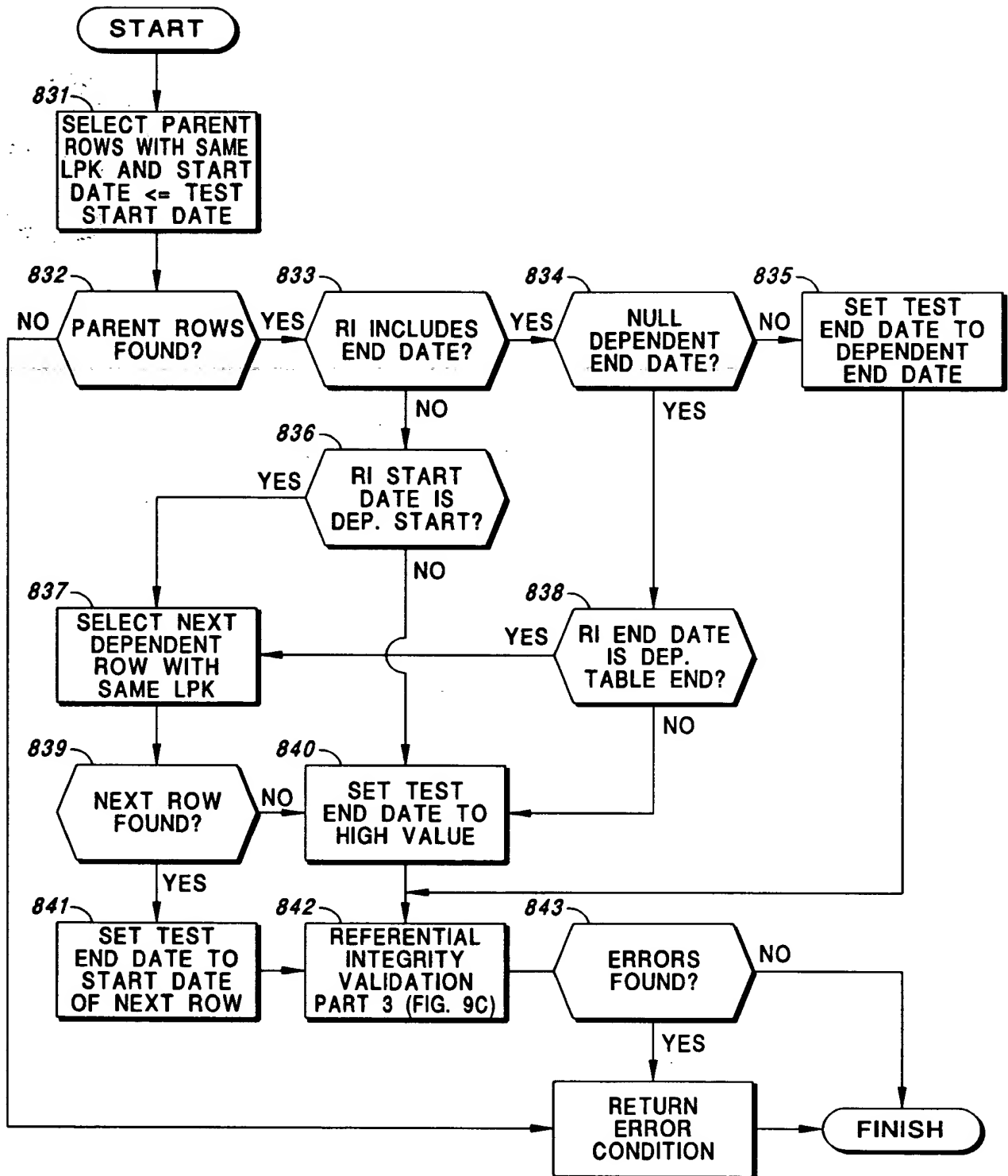
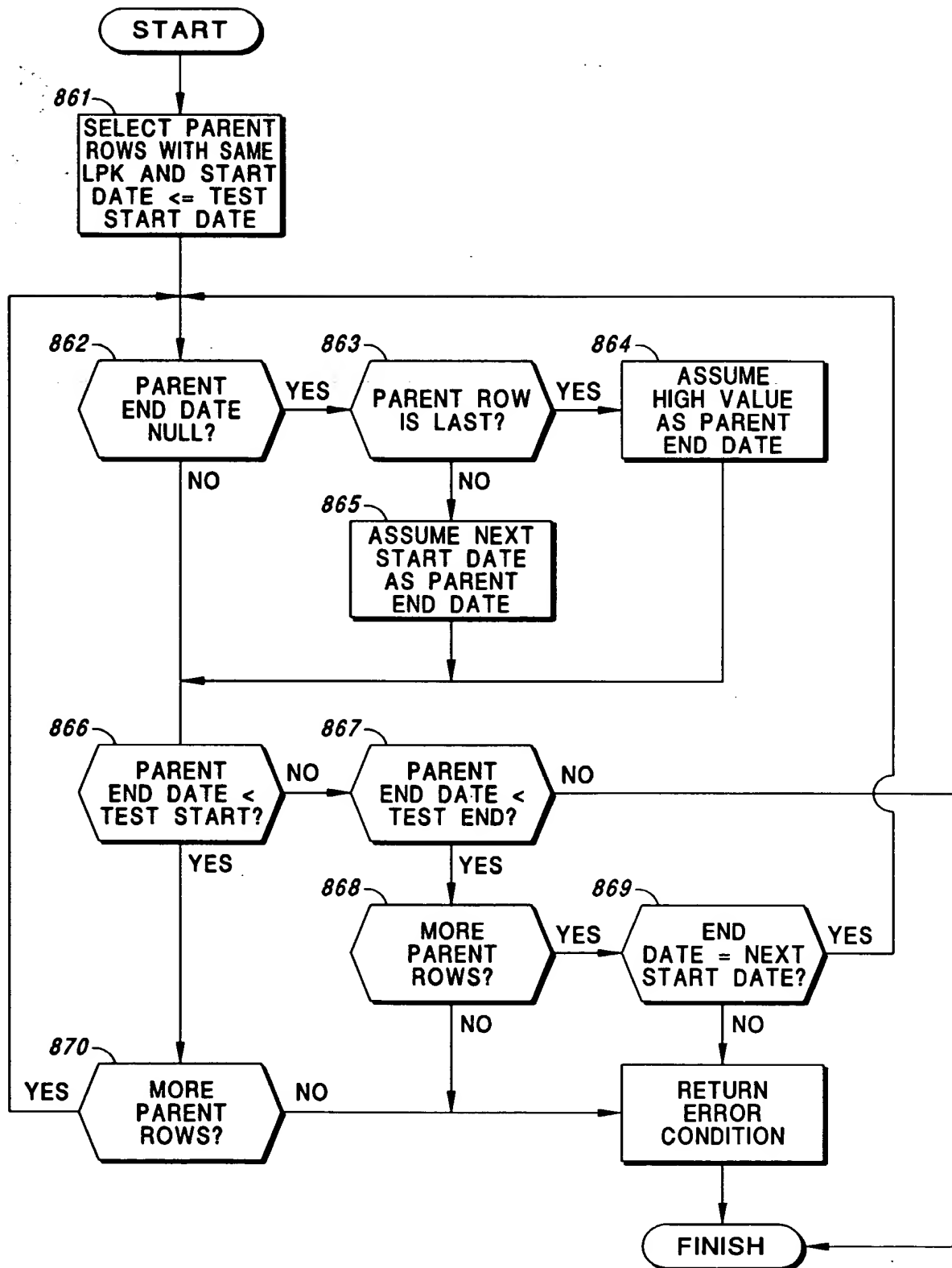


FIG. 9B

REFERENTIAL INTEGRITY VALIDATION PROCESS
PART 2 OF 3

**FIG. 9C**

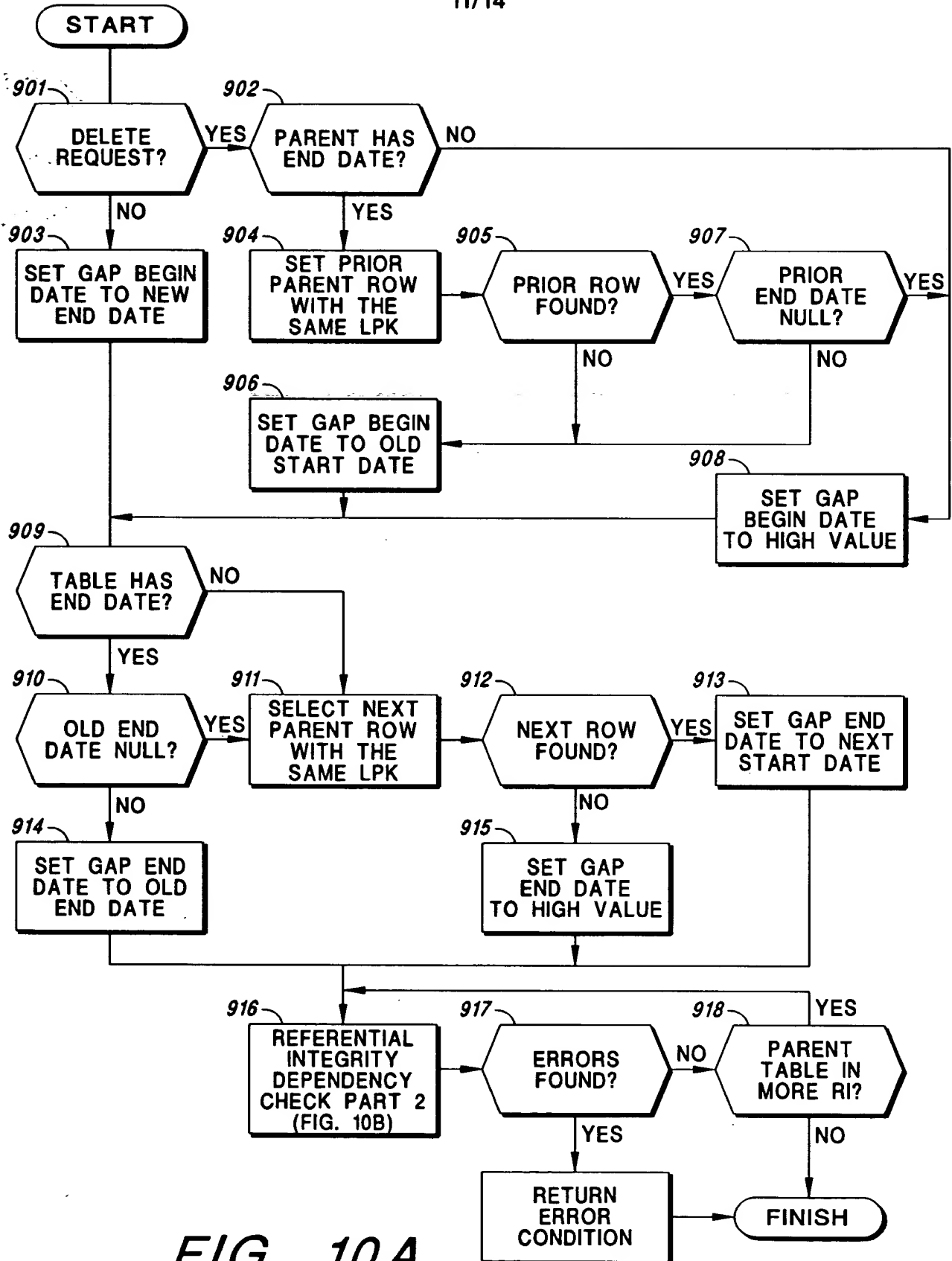


FIG. 10A

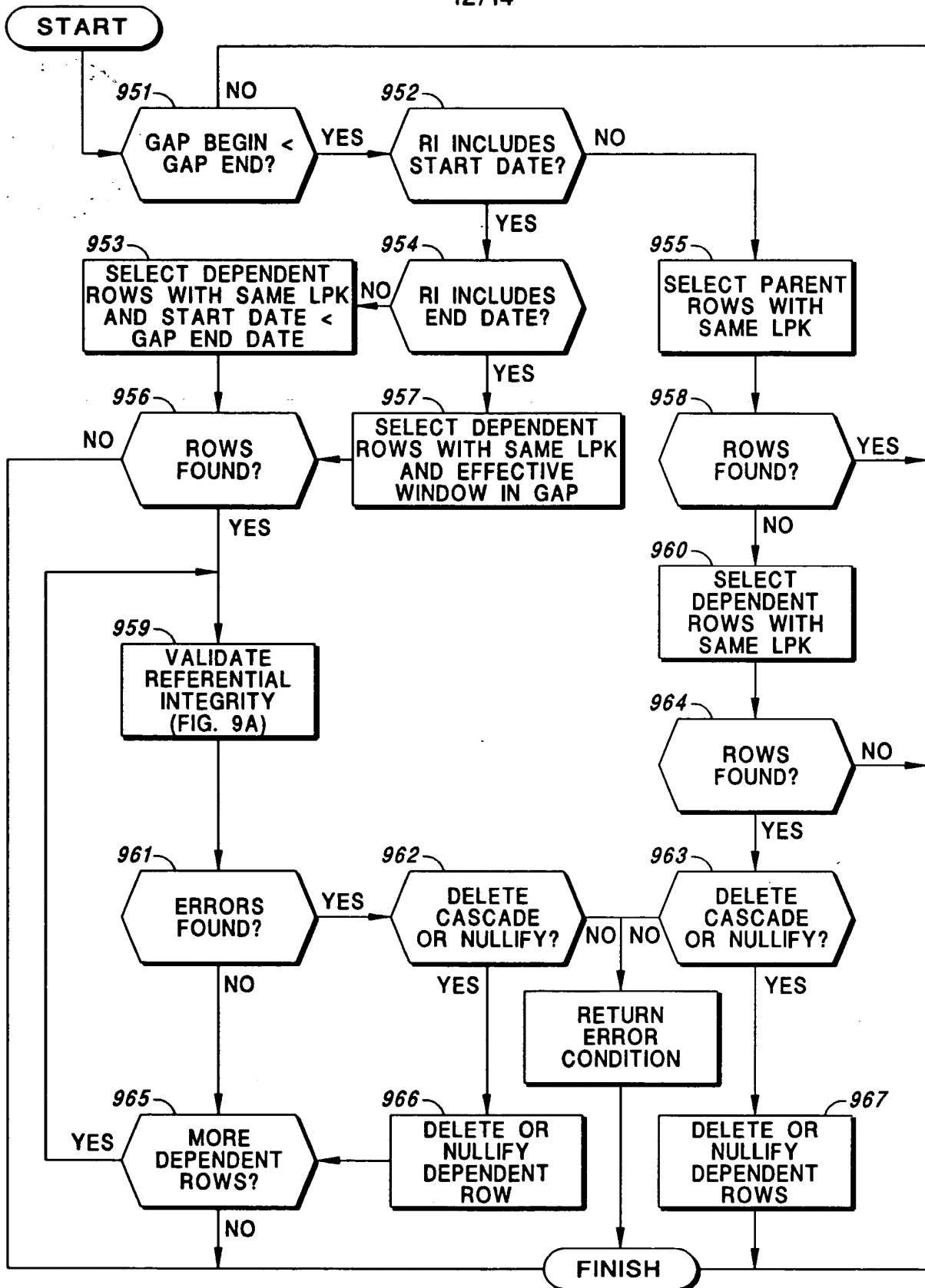


FIG. 10B

REFERENTIAL INTEGRITY DEPENDENCY CHECK
PART 2 OF 2

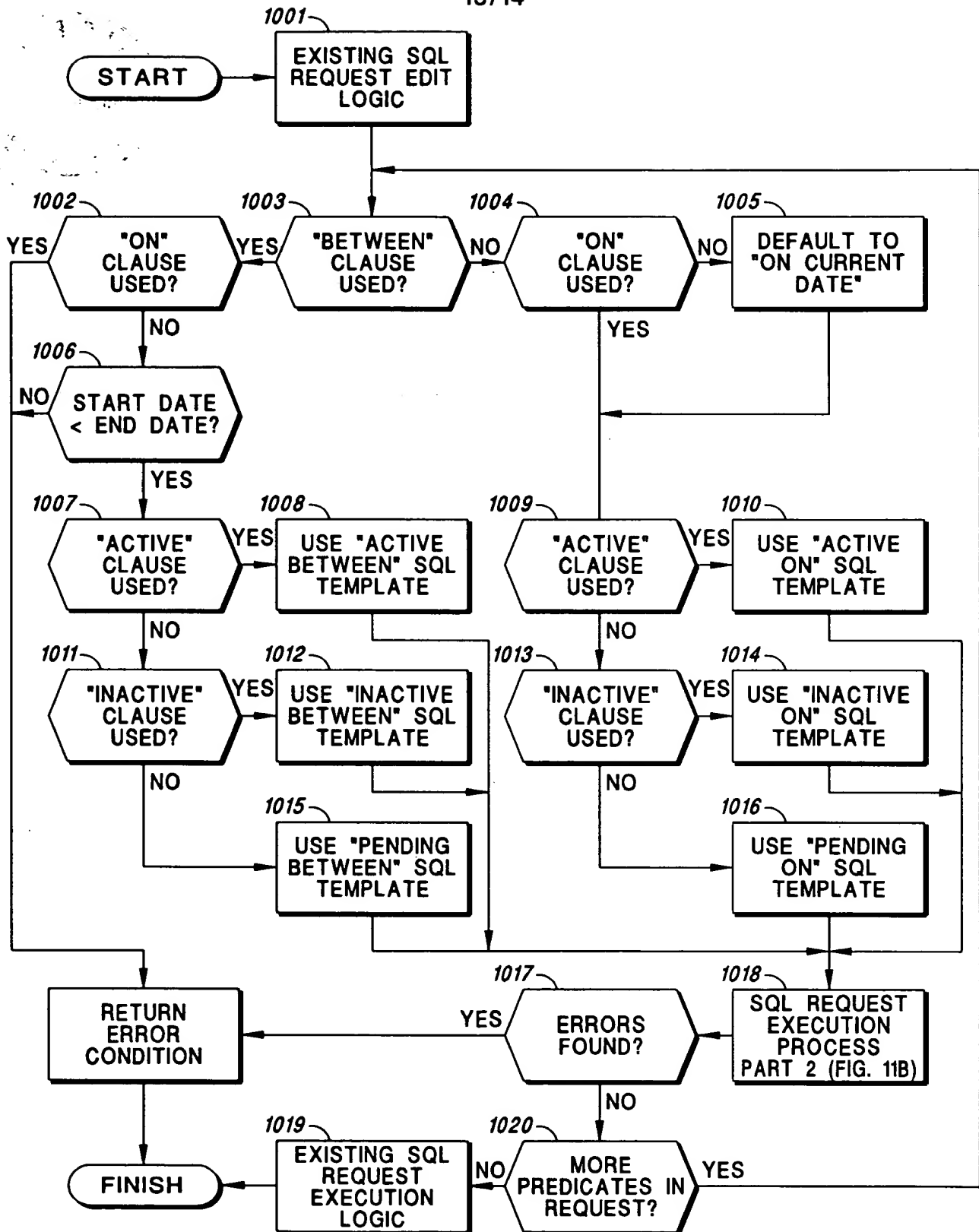


FIG. 11A

SQL REQUEST EXECUTION PROCESS - PART 1 OF 2

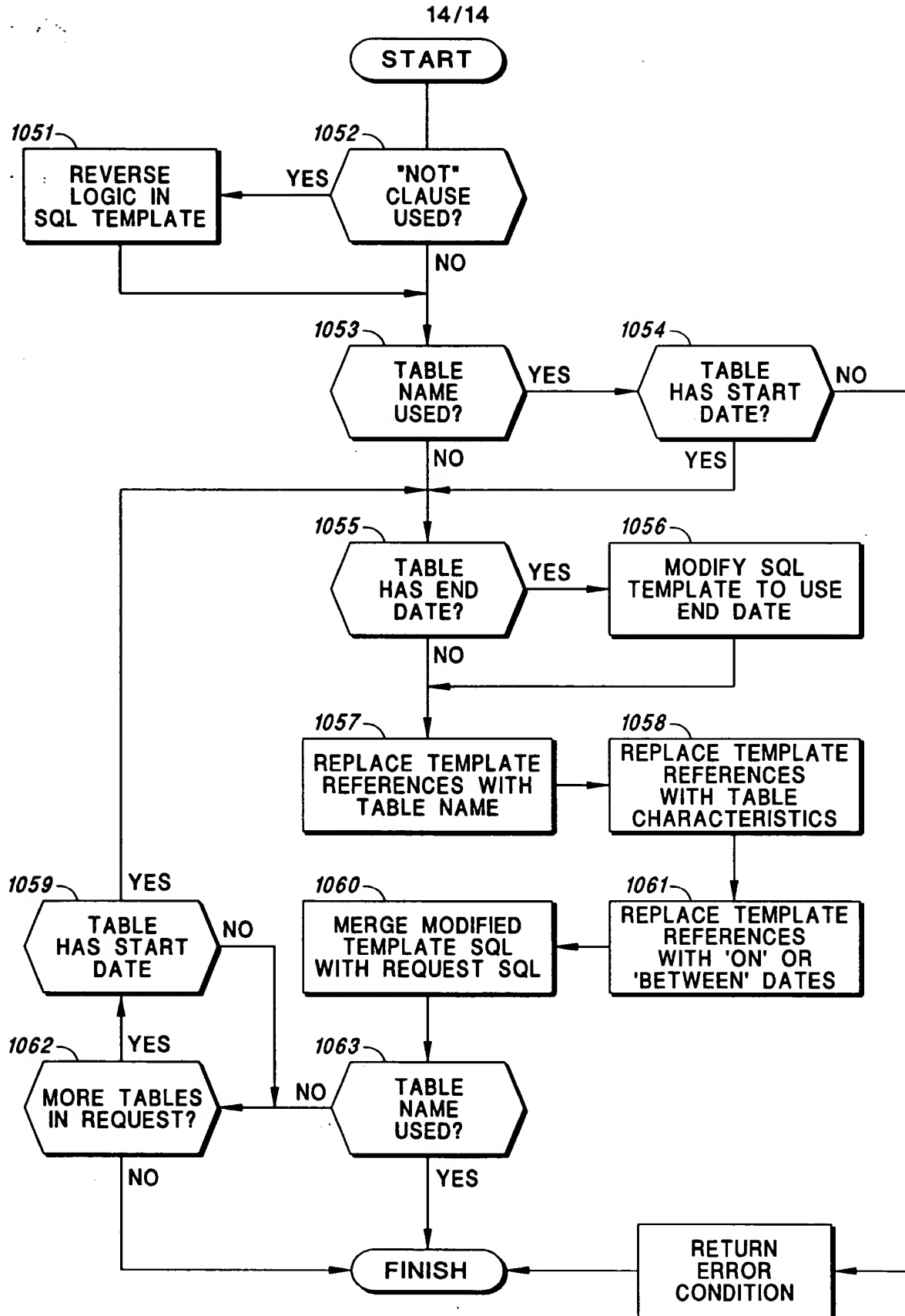


FIG. 11B

SQL REQUEST EXECUTION PROCESS - PART 2 OF 2